PeerlessBoilers.com

BURNER SPEC & DATA SHEET

LC/LCE SERIES

BECKETT MODEL "CF" BURNER

FOR LIGHT OIL

STANDARD EQUIPMENT

CF800 Burner:

1. On-off operation with single position air.
2. 4 sec. pre-purge timer.
3. Cad cell flame detector.
4. Optional motor voltages: 208/60/1, 240/60/1.

CF1400 and CF2300A Burners:

1. Low-high-off operation with two position air. Low-high-low operation is optional with addition of SPST controller.
2. Low fire hold switch.
3. Cad cell flame detector.
4. Optional motor voltages: 208/60/1, 240/60/1, 208/60/3, 240/60/3, 480/60/3.

CF2500 and CF3500A Burners:

1. Low-high-off operation with two position air. Low-high-low operation is optional with addition of SPST controller.
2. Low fire hold switch.
3. 60 sec. pre-purge and 15 sec. post-purge timing.
4. Photocell flame detector.
5. Air proving switch.
6. Optional burner motor voltages: 208/60/1, 240/60/1, 208/60/3, 240/60/3, 480/60/3.

OPTIONAL EQUIPMENT

1. Control panel, burner or remote mounted, with on/off control switch, power-on light, control circuit fuse and terminal strip. Also available are additional lights, alarm bell and step-down control circuit transformer.
2. Air proving switch for CF800, CF1400 and CF2300A Burners.
3. Various combustion controls. Contact your local Peerless Representative or Peerless Boilers for availability.

Beckett Model "CF" Burner For Light Oil

Boiler Model	I=B=R Input GPH (1)	overfire Pressure In. W.C. (2)	Burner Model	Standard Combustion Control	3450 RPM MOTOR HP	Standard Motor Voltage	Initial Setting (3)				
								Air Damper			
								Low Fire		High Fire	
							Head	Elec.	Mec.	Elec.	Mec.
LC-04	4.75	+0.22	CF800	R7184B	1/3	120/60/1	2.0	–	0 (4)	–	9 (5)
LC-05R	5.60	+0.22	CF800	R7184B	1/3	120/60/1	2.0	–	0 (4)	–	10 (5)
LC-05	6.10	+0.24	CF1400	R7184B	1/2	120/60/1	.50	2.5	2.5	5.0	5.0
LC-06	7.50	+0.26	CF1400	R7184B	1/2	120/60/1	1.0	2.5	2.5	6.0	6.0
LC-07	8.80	+0.27	CF1400	R7184B	1/2	120/60/1	5.0	3.5	3.5	8.5	8.0
LC-08	10.20	+0.28	CF2300A	R7184B	3/4	120/60/1	0	2.0	2.0	3.5	3.5
LC-09	11.60	+0.29	CF2300A	R7184B	3/4	120/60/1	1.0	2.0	2.0	4.0	4.0
LC-10	12.80	+0.30	CF2300A	R7184B	3/4	120/60/1	2.0	2.5	2.5	5.0	5.0
LC-11	14.20	+0.31	CF2300A	R7184B	3/4	120/60/1	2.5	3.0	3.0	7.0	7.0
LC-12	15.60	+0.32	CF2300A	R7184B	3/4	120/60/1	3.5	3.5	3.5	9.5	9.0
LCE-13	17.00	+0.24	CF2300A	R7184B	3/4	120/60/1	6.0	3.0	3.0	8.0	8.0
LCE-14	18.40	+0.25	CF2300A	R7184B	3/4	120/60/1	3.0	3.0	3.0	6.0	6.0
LCE-15	19.80	+0.26	CF2300A	R7184B	3/4	120/60/1	3.0	3.0	3.0	10	10
LCE-16	21.00	+0.27	CF2500	RM7895A	2	240/60/1	4.0	2.0	2.0	6.0	6.0
LCE-17	22.50	+0.28	CF2500	RM7895A	2	240/60/1	6.0	3.5	3.5	6.0	6.0
LCE-18	24.00	+0.29	CF3500A	RM7895A	2	240/60/1	3.5	1.0	1.0	4.0	4.0
LCE-19	25.00	+0.30	CF3500A	RM7895A	2	240/60/1	5.0	1.0	1.0	4.0	4.0
LCE-20	26.50	+0.31	CF3500A	RM7895A	2	240/60/1	6.0	1.0	1.0	6.0	6.0
LCE-21	28.00	+0.31	CF3500A	RM7895A	2	240/60/1	5.5	3.0	3.0	8.0	8.0
LCE-22	29.50	+0.31	CF3500A	RM7895A	2	240/60/1	5.5	3.5	3.5	8.5	8.5

(1) Based on No. 2 fuel oil with a heating value of 140,000 BTU/gal. at a maximum altitude of 2000 ft. Consult factory for higher altitudes.

(2) With + 0.10″ W.C. at flue outlet when firing at I=B=R Input.

(3) Start-up settings only. Final settings must be determined using combustion test equipment.

(4) Air shutter setting.

(5) Air band setting.

Boiler Model	Nozzles - Hago			Oil Pressure - PSIG		Standard Fuel Unit	
	Qty	GPH	Pattern	Low Fire	High Fire	Suntec	Gearset GPH (6)
LC-04	1	4.00	45 P	—	140	B2TA-8248	25
LC-05R	1	4.50	45 P	—	140	B2TA-8248	25
LC-05	1	3.50	45 P	150	300	B2TA-8851	33
LC-06	1	4.50	45 P	150	280	B2TA-8851	33
LC-07	1	5.00	45 P	150	300	B2TA-8851	33
LC-08	1	6.00	45 P	150	280	B2TA-8852	39
LC-09	1	6.50	45 P	150	300	B2TA-8852	39
LC-10	1	7.00	45 P	150	300	B2TA-8852	39
LC-11	1	8.50	45 P	150	280	B2TA-8852	39
LC-12	1	9.00	45 P	150	300	B2TA-8852	39
LCE-13	1	10.00	45 P	150	290	B2TA-8852	39
LCE-14	1	11.00	45 P	150	280	B2TA-8852	39
LCE-15	1	12.00	45 P	150	275	B2TA-8852	39
LCE-16	2	6.00	45 P	—	300	H5PAN-C100H	79
LCE-17	2	6.50	45 P	—	300	H5PAN-C100H	79
LCE-18	2	7.00	45 P	—	295	H5PAN-C100H	79
LCE-19	2	7.50	45 P	—	275	H5PAN-C100H	79
LCE-20	2	8.00	45 P	—	275	H5PAN-C100H	79
LCE-21	2	8.00	45 P	—	300	H5PAN-C100H	79
LCE-22	2	8.50	45 P	—	300	H5PAN-C100H	79

(6) For sizing filters, piping and remote pump sets. Not a U.L. nozzle rating.

PB HEAT, LLC

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